**Weather Instrument Rubric**

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| **Category** | **Exemplary 4** | **Proficient 3** | **Developing 2** | **Emerging 1** | **No Evidence 0** |
| **Weather Instrument (20%)**  Instrument was carefully constructed by all participating group members and can function. | Weather instrument was carefully constructed, in an attractive manner, and it clearly works. It is evident that all group members put in an equal amount of effort, and went beyond to make sure their instrument was aesthetically pleasing. | Weather instrument was carefully constructed and works. It is evident that all group members put in an equal amount of effort. | Weather instrument was constructed. It may or may not work. All group members may or may not have put in an equal amount of effort into constructing the instrument. | Weather instrument was not carefully constructed and does not work. It is clear that group members did not put in an equal amount of effort into constructing the instrument. | The weather instrument was not constructed. |
| **Step by step instructions (20%)**  Step by step instructions are clearly written. | Meticulous step by step instructions are included, which are clear for any reader to follow. Instructions include suggestions for adaptations to the instruments, which still allow it to work, but give the reader options. | Step by step instructions are included, and are clear enough for any reader to follow. | Step by step instructions are included, but 1-3 steps may be unclear. | Step by step instructions are included, but 3 or more steps are unclear. | No step by step instructions were included. |
| **Explanation on how and why the weather instrument works (20%)**  A well-written explanation on how and why the weather instrument works is included. | Detailed information was included on how the instrument works. An insightful, well-written explanation of why it works is included and enhances understanding for the reader. | Detailed information was included on how the instrument works. A well-written explanation of why it works is included, but may not be insightful. | Information was included on how the instrument works. An explanation of why it works is included but may not be clear. | Minimal information was included on how the instrument works. An explanation of why it works is included but it is not clear. | No information was included on how the instrument works. No explanation of why it works is included. |
| **Explanation on how and why scientists use this instrument in the field (20%)**  A well-written explanation on how and why the weather instrument works is included. | An insightful, well-written explanation of how and why scientists use the instrument in the field is included, and enhances understanding for the reader. | A detailed, well-written explanation of how and why scientists use the instrument in the field was included, but may not be insightful. | An explanation of how and why scientists use the instrument in the field was included, but may not be clear. | A minimal explanation of how and why scientists use the instrument in the field was included but it is not clear. | No explanation of how and why scientists use the information in the field was included. |
| **Writing /Organization (10%)**  All writing contained in the project is well-written, and grammatically correct. Everything is spelled correctly. | All writing in project is grammatically correct and spelled correctly. Choice of words is used in a meaningful way to enhance understanding for the reader. | All writing in project is grammatically correct and spelled correctly. | Most writing in project is grammatically correct and spelled correctly. | Some writing in project is grammatically correct and spelled correctly. | No writing in project is grammatically correct and spelled correctly. |
| **Deadlines (10%)** | Student met all deadlines related to the project, in some cases, completing work before it was due. | Student met all deadlines related to the project. | Student missed 1-2 deadlines related to the project. | Student missed 3 or more deadlines related to the project. | Student did not meet any deadlines related to the project. |